

AMENDMENTS TO THE CLAIMS

Claims 1-3 (canceled)

4. (Currently amended) A reaction ~~Reaction~~ system for carrying out non-adiabatic catalytic reactions, comprising connected in parallel a first reaction compartment and a second reaction compartment ~~being~~ adapted to hold a catalyst and to receive a reactant stream, the first compartment being in the form of a reactor tube, wherein

a first heat exchange space concentric and spaced apart surrounds the first reaction compartment, and the second reaction compartment surrounds a second heat exchange space.

5. (Currently amended) The reaction ~~Reaction~~ system of claim 4, wherein the first and second reaction compartment are arranged within a common shell.

6. (Currently amended) The reaction ~~Reaction~~ system of claim 4, wherein the first and second heat exchange space are formed by a common passage-way.